SMD SHIELDED POWER CHIP INDUCTOR

PCSV60

**Dimensions:**

- **Inches**
- **(mm)**

- 23.6 ± 0.008
- 0.079 Max

**Allied Part Number** | **Inductance (µH)** | **Tolerance (%)** | **Test Freq, KHz, 1V** | **RDC mΩ@±30%** | **Isat (A) Max. Typ.** | **Irms (A) Typ.**
--- | --- | --- | --- | --- | --- | ---
PCSV60-R50_-RC | 0.5 | T | 100 | 13 | 8.0 | 5.3
PCSV60-R90_-RC | 0.9 | T | 100 | 18 | 6.3 | 4.2
PCSV60-1R0_-RC | 1.0 | T | 100 | 19 | 6.2 | 4.1
PCSV60-1R5_-RC | 1.5 | M, T | 100 | 26 | 5.0 | 3.6
PCSV60-2R2_-RC | 2.2 | M, T | 100 | 34 | 4.2 | 3.2
PCSV60-3R3_-RC | 3.3 | M, T | 100 | 40 | 3.2 | 2.7
PCSV60-4R7_-RC | 4.7 | M, T | 100 | 58 | 2.5 | 2.2
PCSV60-6R8_-RC | 6.8 | M, T | 100 | 85 | 2.2 | 1.8
PCSV60-100_-RC | 10 | M, T | 100 | 125 | 2.0 | 1.6
PCSV60-150_-RC | 15 | M, T | 100 | 190 | 1.3 | 1.3
PCSV60-220_-RC | 22 | M, T | 100 | 260 | 1.1 | 1.1

*Enter desired tolerance: M = ±20%, T = ±30%*

All specifications subject to change without notice.

**Features**

- Magnetically Shielded Construction
- Low Profile

**Electrical**

- **Inductance Range:** 0.5µH - 22µH other values available
- **Tolerance:** 20%
- **Operating Temp:** -25°C ~ +105°C
- **Isat:** Based on Inductance drop less than 30%
- **Irms:** Based on a temp rise of 40°C typical

**Resistance to Soldering Heat**

- Pre-Heat 150°C, 1 Min.
- **Solder Composition:** Sn/Ag3.0/Cu0.5
- **Solder Temp:** 260°C +/- 5°C
- **Immersion time:** 10 sec. +/- 1 sec.

**Test Equipment**

- (L): HP4284A
- (RDC): Chroma MilliOhm Meter 16502
- **Current:** HP4284A + HP42841A

**Physical**

- **Packaging:** Tape and reel
- **Marking:** EIA Inductance Code.

**Land Pattern**

- 63 (1.6)
- 122 (7.1)
- 063 (1.8)

**Temp vs Current Graph for 3.3µH**

**Inductance vs Current Graph for 3.3µH**